

WHAT IS CLAIMED IS:

1. A CMOS image sensor comprising:
 - (a) a plurality of pixels each having a photo-sensitive element that receives light that is converted into charge and conversion circuitry that converts the charge into a voltage signal; wherein the plurality of pixels are integrated at substantially a same time;
 - (b) readout electronics that receives the voltage signal from the conversion circuitry of the plurality of pixels and passes the charge therefrom; wherein the readout electronics are de-energized during substantial integration of the pixels and energized during readout.
2. The CMOS image sensor as in claim 1, wherein the readout electronics is a horizontal output CCD.
3. A digital camera comprising:
 - (a) a CMOS image sensor comprising:
 - (a1) a plurality of pixels each having a photo-sensitive element that receives light that is converted into charge and conversion circuitry that converts the charge into a voltage signal; wherein the plurality of pixels are integrated at substantially a same time;
 - (a2) readout electronics that receives the voltage signal from the conversion circuitry of the plurality of pixels and passes the charge therefrom; wherein the readout electronics are de-energized during substantial integration of the pixels and energized during readout.
4. The digital camera as in claim 3, wherein the readout electronics is a horizontal output CCD.